

THE INNER PART OF EMBRYO IS ONE OF THE FIRST STEPS IN THE DEVELOPMENT IN INSECTS. THIS PROCESS IS UNDER CONTROL BY THE NEUROGENIC GENES.

SIMILARITY HIGH, WITH OTHER NOTCH-TYPE PROTEINS.

SIMILARITY CONTAINS 36 DIFFERENT MAMMALIAN PROTEINS.

SIMILARITY CONTAINS 3 LINEAGE PAPERS.

SIMILARITY CONTAINS 6 AMP REPEATS.

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Query Match Score: 35.188 / 100.047
 Best Local Similarity: 50.09%
 Pred. No.: 152
 Category: 1; Bismarckness: 4; Inference: 1
 1. CATTIKAFF 1.0
 352. CTHUNENAO 361

SCUFL	4	SSA_HUMAN	PRSA_HUMAN	STANDARD:	PPT:	4 x 9 AA.
			P17980;	16. created)		
			01-NOV-1990 (Ref.)	16.		
			01-NOV-1995 (Ref.)	32.	Last sequence update)	
			15-DEC-1995 (Ref.)	77.	Last annotation update)	
			26.8 PROTEASE REGULATORY SUBUNIT 6A (TABBINING PROTEIN 1) (THB-1)			

PSM3 (or TRH).
Homeostasis (Human).
Eukaryotes: Metazoa; Chordata; Craniata; Vertebrata; Paleozoostria.
Mammalia: Patheria; Primates; Catarrhini; Hominidae; Homo.
[1] [2]
SPECIFIC FROM N.A.
MELTLINE 931209; PubMed 8419947;
Moore, P.A.; Ruben, S.M.; Scott, J.; O'Connor, M.;
Amano, B.; Moore, C.D.; Green, M.;

The type I human immunodeficiency virus Tat binding protein is a trans-epitopeal activator belonging to an additional family of evolutionarily conserved genes.⁶ Proc. Natl. Acad. Sci. U.S.A. 90:1384-142 (1993).

structures of the rat professional APPases; determination of both the structural motifs and rules for their structure.

Biochem. Biophys. Res. Commun., 220:1049-1054 (1996).

SHOQUEER, R. A.
SPRAY, N. A.
SPRAY, SPRACHE, DAWLEY,
PELLEGRINE, 9741044, Pat. Pend. 9260374;

PELLEGRINE, 9741045, Pat. Pend. 9260375;
A protein associated with the membrane, a polypeptide chain, a protein, or a nucleic acid, characterized by a domain of the APP-like subunit, with terminal conserved APP-like and protease-cleavage domains;

361 - Reprinted, Proc. Natl. Acad. Sci. USA, 94:799-803 (1997);

PRACTICALLY THE ENTIRE PROTEIN IS CLEAVAGE IN THE APP ALBUMIN DOMAIN, THE APP SUBUNIT, AND THE APP ALBUMIN DOMAIN;

DIAGNOSTIC AND THERAPEUTIC USE OF AN APP ALBUMIN DOMAIN FOR THE FIRST APP-CONTAINING AMBIOGENETIC PROTEIN;

265-COMPLEX (BY SIMILARITY)

1 SUBUNIT, BAN, 9741046, Pat. Pend. 9260376;

1 SUBUNIT, BAN, 9741047, Pat. Pend. 9260377;

1 SIMILARITY: BLODUES, 9741048, Pat. Pend. 9260378;

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Score: 34 : 18, 1 : 1, 1 : 1
Prod. No.: 186

$$2^2 \text{ AF(1)K2AF}^{-4}_9$$

144 | APRIL 2013

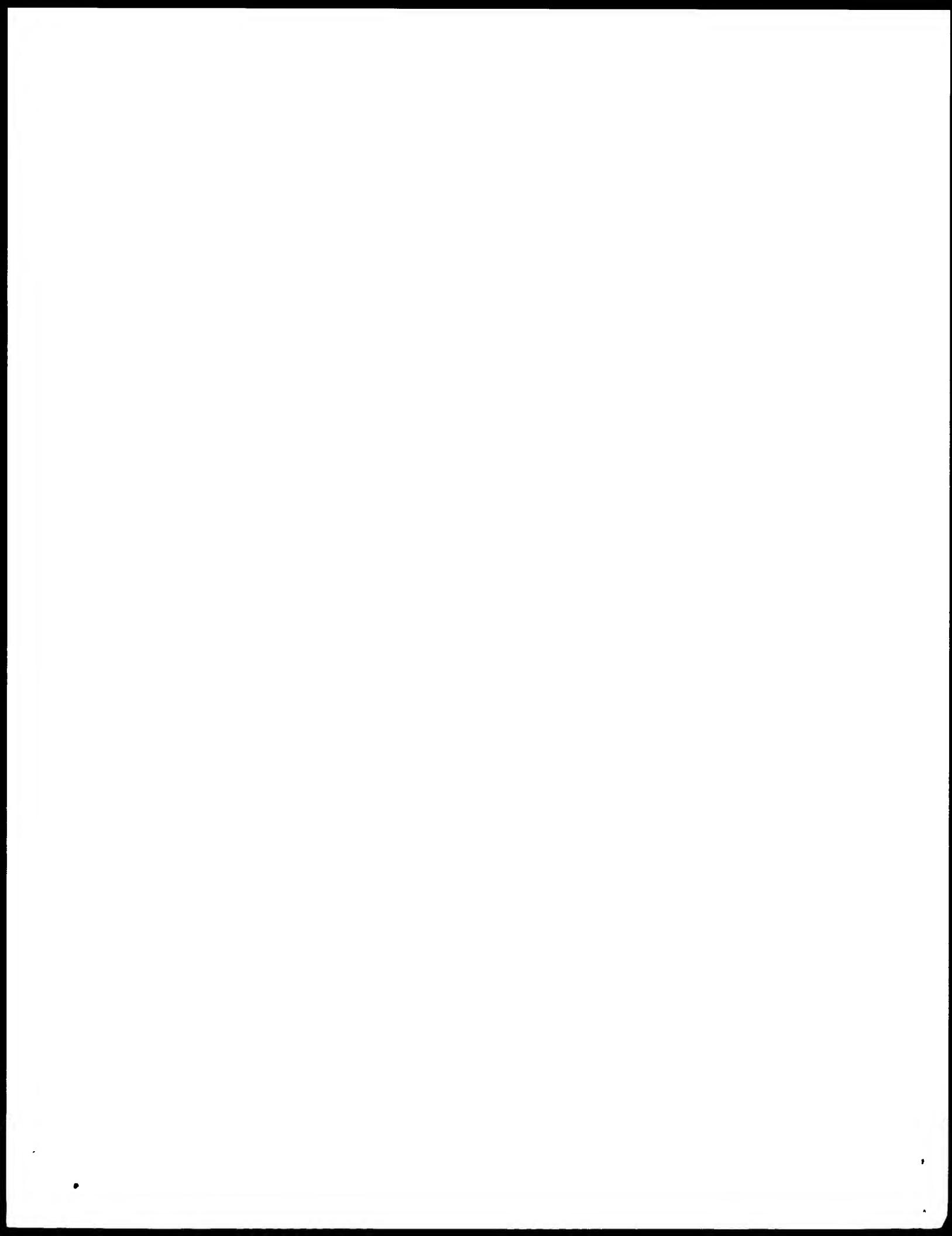
Search completed: August 30, 2001. 15:32:00

protein tyrosine kinase (EG_2.2.1.112), receptor tyro kinase precursor - human
 c:Species: Homo sapiens (mn): sequence_revision 02-Jul-1996 #text change 16-Jul-1999
 c:Accession: 158488
 Releaser: S.E.; Bird, T.A.; Schneringer, J.A.; Schooley, K.N.; Baum, W.R.
 monomer; 863-670; 1993
 c:Title: Molecular cloning and characterization of a novel receptor protein tyrosine kin
 e:Reference number: 158488; MolID:93173509
 A:Accession: 158488
 A:Status: preliminary; translated from GB/EMBL/DDB/J
 A:Biochemical type: mRNA
 A:Residues: 1-124 [SRES](#)
 A:Cross references: GB:106139; NID:q292823; PDB:AAA6129; 1; PDB:J292824
 C:Genetics:
 A:Gene: GIB:TEK
 A:Cross references: GRB:344185; OMIM:600221
 A:Map position: 9p21-9p21
 C:Function:
 A:Enzyme: catalyzes the phosphorylation of a peptide tyrosine residue by ATP
 c:Superfamily: Protein tyrosine kinase, receptor type, isoform 1, gene 1, type in tPF
 C:Keywords: ATP; autophosphorylation; duplication; glycoprotein; phosphoprotein; phospho
 E:24-1124-#3:First: Protein tyrosine kinase, receptor type, isoform predicted; NAT
 E:37-104-#3:Last: Protein tyrosine kinase, receptor type, isoform predicted; NAT
 E:145-147-#3:First: Protein tyrosine kinase, receptor type, isoform predicted; NAT
 E:211-217-#3:Last: Cell attachment (R-G-D) motif
 E:245-208-#3:First: RGP homology; EG1
 E:302-310-#3:Last: RGP homology; EG2
 E:344-426-#3:First: RGP homology; EG3
 E:344-522-#3:Last: RGP homology; EG4
 E:344-522-#3:First: First found in the EG1 repeat domain of cENSA
 E:344-625-#3:Last: Second found in the EG1 repeat domain of cENSA
 E:3638-720-#3:First: Transmembrane; EG1 repeat domain of cENSA
 E:762-772-#3:Last: Transmembrane; EG1 repeat domain of cENSA
 E:822-1090-#3:First: protein kinase, ligand-binding EG1
 E:840-848-#3:Last: protein kinase, ligand-binding EG1
 E:845-872-#3:First: tyrosine site; EG1; Glu, Asp #status predicted
 E:845-872-#3:Last: tyrosine site; EG1; Glu, Asp #status predicted

Quality Match Similarity 61.4%; Score 35; Dif 1; Length 114;
 Best Local Similarity 60.0%; Pred. No. 1, 2e-02;
 Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CAVIDRAECAV 10
 DB 289 CATHKLOC 298

Search completed: August 30, 2001, 16:31:44
 Job time: 42 sec



TELEPHONE: (201) 487-5800
 FAX: (201) 343-1684
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 9; amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLogy: linear
 MOLECULE TYPE: peptide
 US-08-696 854B-5

RESULT 5
 US-08-696 854B-2
 Sequence 2, Application US/08696854B
 Patient No. 6017878

GENERAL INFORMATION:
 APPLICANT: LOISAUER, Uri H.
 APPLICANT: CUELLAO, Claudio A.
 TITLE OF INVENTION: NERVE GROWTH FACTOR STRUCTURAL ANALYSIS
 NUMBER OF SEQ UNITS: 23
 CURRENT PRIORITY ADDRESS:
 ADDRESSEE: KATHERINE JACKSON
 STREET: Continental Plaza, 411 Hackensack Avenue
 CITY: Hackensack
 STATE: N.J., U.S.A.
 COUNTRY: U.S.A.
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 05/218,666,854B
 FILING DATE: 07-AUG-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US95/00059
 FILING DATE: 07-FEB-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9402331.4
 FILING DATE: 07-FEB-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: JACKSON, CLAUDIO A.
 REGISTRATION NUMBER: 26,742
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (201) 487-5800
 FAX: (201) 343-1684
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 10 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLogy: linear
 MOLECULE TYPE: peptide
 FEATURES:
 NAME/KEY: Modified site
 LOCATION: one of (1,10)
 OTHER INFORMATION: "Xaa is any uncharged amino acid"
 OTHER INFORMATION: or hydrophobic amide acid

RESULT 6
 US-07-847-369-1
 Sequence 1, Application US/07847369
 Patient No. 5449045
 GENERAL INFORMATION:
 APPLICANT: Persson, B. et al.
 TITLE OF INVENTION: Neurotrophic Factors having Altered
 Topology
 NUMBER OF SEQ UNITS: 6
 CURRENT PRIORITY ADDRESS:
 ADDRESSEE: Bioconon Pharmaceuticals, Inc.
 STREET: 777-14 Saw Mill River Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-6707
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 08/272,947,369
 FILING DATE: 1992-03-06
 ATTORNEY/AGENT INFORMATION:
 NAME: KEMP, L. GAIL N. /Mitschke, S., testite
 FIRM/NAME: KEMP, L. GAIL N. /Mitschke, S., testite
 PRIORITY NUMBER: 62,113,872
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 914 347-7000
 364 AX, #13347-2113
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 12 amino acids
 TYPE: AMINO ACID
 STRANDEDNESS: single
 TOPOLOGY: unknown
 MOLECULE TYPE: peptide
 US-07-847-369-1

RESULT 7
 US-07-847-369-2
 Sequence 2, Application US/07847369
 Patient No. 5449045
 GENERAL INFORMATION:
 APPLICANT: Persson, B. et al.
 TITLE OF INVENTION: Neurotrophic Factors having Altered
 Topology
 NUMBER OF SEQ UNITS: 6
 CURRENT PRIORITY ADDRESS:

ADDRESS: Regeneron Pharmaceuticals, Inc.
 STREET: 777 Old Saw Mill River Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10591-6707
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/847,369
 FILING DATE: 1993/01/06
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Komljen, Galli M./Mirostrock, S., Leslie
 REGISTRATION NUMBER: 3,214,318,872
 PREFERENCE/WORKER NUMBER: 4,5,6,-097
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 914-447-7100
 TELEFAX: 914-447-7113
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE OF CHARACTERISTICS:
 LEFTHAND: L,D amino acids
 STRANDEDNESS: single
 TOPOLOGY: unknown
 MOLECULE TYPE: peptide
 3'-07 847 469 2

QUERY Match 8
 Best Local Similarity 59.6% score 34; DB 1; term
 Matches 5/6 17 Patents No. 5,616,177
 GENE/PROTEIN: Bakaric, B., et al.
 APPLICANT: Pearson, Bakaric, B., et al.
 TITLE OF INVENTION: Neurotrophic Factors Having High
 NUMBER OF SEQUENCES: 6
 CURRENT/ALTERNATE ADDRESS:
 ADDRESS: Regeneron Pharmaceuticals, Inc.
 STREET: 777 Old Saw Mill River Road
 CITY: Tarrytown
 STATE: New York
 COUNTRY: U.S.A.
 EIP: 10591-6707
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/847,369
 FILING DATE: 02-SEP-1994
 CLASSIFICATION: 530
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/07/847,369
 FILING DATE: 06-MAR-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Komljen, Galli M./Mirostrock, S., Leslie
 REGISTRATION NUMBER: 3,214,318,872
 PREFERENCE/WORKER NUMBER: 4,5,6,-097

TELECOMMUNICATION INFORMATION	
TELEPHONE:	914-347-7000
TELEFAX:	914-347-7113
INFORMATION FOR SEQ ID NO: 1:	
SEQUENCE CHARACTERISTICS:	
LENGTH:	12 amino acids
TYPE:	amino acid
STRANDNESS:	single
POILOGY:	unknown
MOLECULE TYPE:	Peptide
US-OB-300-044-1	
Query Match	9
Best Local Similarity	69.6%
RefSeq	2
Q7	2 ALDRAAE 9
RP	111111
RESULT	9
US-OB-300-044-2	
Sequence 2: APLKAEVAGLVEYR	
Patent No.: 5,705,617	
GENERAL INFORMATION:	
APPLICANT: Person, Maran, B., C.	
TITLE OF INVENTION:	Receptor for
NUMBER OF SEQUENCES: 6	
CORRESPONDENCE ADDRESS:	
ADDRESSSEE: Receptoron Pharmaceuticals	
STREET: 177 Old Saw Mill River	
CITY: White Plains	
STATE: New York	
COUNTRY: U.S.A.	
ZIP: 10591-6707	
COMPUTER READABLE FORM:	
MEDIUM TYPE: Floppy disk	
COMPUTER: IBM PC compatible	
OPERATING SYSTEM: MS-DOS/MS	
SOFTWARE: Edition 1.0 Release 1	
CURRENT APPLICATION NUMBER:	
APPLICATION NUMBER: 08/208,400	
FILING DATE: 02 SEP 1994	
CLASSIFICATION: 5/6	
PRIOR APPLICATION DATA:	
APPLICATION NUMBER: 08/072,900	
FILING DATE: 06 MAY 1992	
ATTORNEY/AGENT: JAG, INC.	
NAME: Komatsu, Gail M.	
FILE NUMBER: H-92913	
RETRIEVING CODE: R-99018	
TELECOMMUNICATION INFORMATION:	
TELEPHONE:	914-347-7000
TELEFAX:	914-347-7113
INFORMATION FOR SEQ ID NO: 2:	
SEQUENCE CHARACTERISTICS:	
LENGTH:	12 amino acids
TYPE:	amino acid
STRANDNESS:	single
POILOGY:	unknown
MOLECULE TYPE:	Peptide
US-OB-300-044-2	
Query Match	9
Best Local Similarity	69.6%
RefSeq	2
Q7	2 ALDRAAE 9
RP	111111

10b 4 AUTOKICK 11

RESULT 10
OS-08-753-642-2
Sequence 2, Application OS/08753642
Patient No. 606377

GENERAL INFORMATION:
APPLICANT: VRSO, RICHARD G.
TITLE OF INVENTION: WOUND TREATMENT METHOD WITH NERVE GROWTH FACTOR
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESS: MOPERSON & FOERSTER
STREET: 755 PARK MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patient In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/753-642
FILING DATE: 27 NOV 1996
CLASSIFICATION: 514
ATTORNEY/AGENT: THE ISMALLS,
NAME: MONROY, GLADYS H.
REFERENCE/ACKNOWLEDGMENT NUMBER: 32718-200001.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141 MBSINFO SFO
SEQUENCE CLASSIFICATION: 2
LENGTH: 119
TYPE: amino acid
TOPOLACY: linear
MOLECULE TYPE: protein
OS-08-753-642-2

Query Match Score 34, DB 3, Length 119;
Best Local Similarity 87.5%; Pred. No. 23;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 ADIKAIE 9
Nb 29 ADIKAIE 6

RESULT 11
OS-07-979-630-1
Sequence 1, Application OS/07979630
Patient No. 5488009
GENERAL INFORMATION:
APPLICANT: PERSSON, et al.
TITLE OF INVENTION: Multifunctional Neurotrophic Factors
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESS: KANGEN PHARMACEUTICALS, INC.
STREET: 717 Old Saw Mill River Road
CITY: Purchase
STATE: New York
COUNTRY: U.S.A.
ZIP: 10591
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: KANGEN INFORMATION SYSTEM
APPLICATION NUMBER: 08/254987
FILING DATE: 12-MAY-1995
CLASSIFICATION: 415
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/254987
FILING DATE: 03-JUN-1994
ATTORNEY/AGENT: KANGEN INFORMATION
NAME: Korchia, Timothy E.
REGISTRATION NUMBER: 36700
REFERENCE/ACKNOWLEDGMENT NUMBER: 1040587
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 652-9881
TELEFAX: 914/871-7168
REFERRAL TO PC-SIG ID No.: 1;

SOFTWARE: Patient In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 08/07979630
FILING DATE: 20-NOV-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/07947369
FILING DATE: 06-MAR-1992
NAME:
ATTORNEY/AGENT INFORMATION:
NAME: Kompler, Ph.D., Gail M.
REGISTRATION NUMBER: 32143
SEQUENCE CLASSIFICATION NUMBER: EFG 4;
TELECOMMUNICATION INFORMATION:
TELEPHONE: (414) 347-7000
TELEFAX: 914-347-2113
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 120 amino acids
TYPE: amino acid
STRANDNESS: unknown
PROTOLOGY: unknown
MOLECULE TYPE: protein
US-07-979-630-1

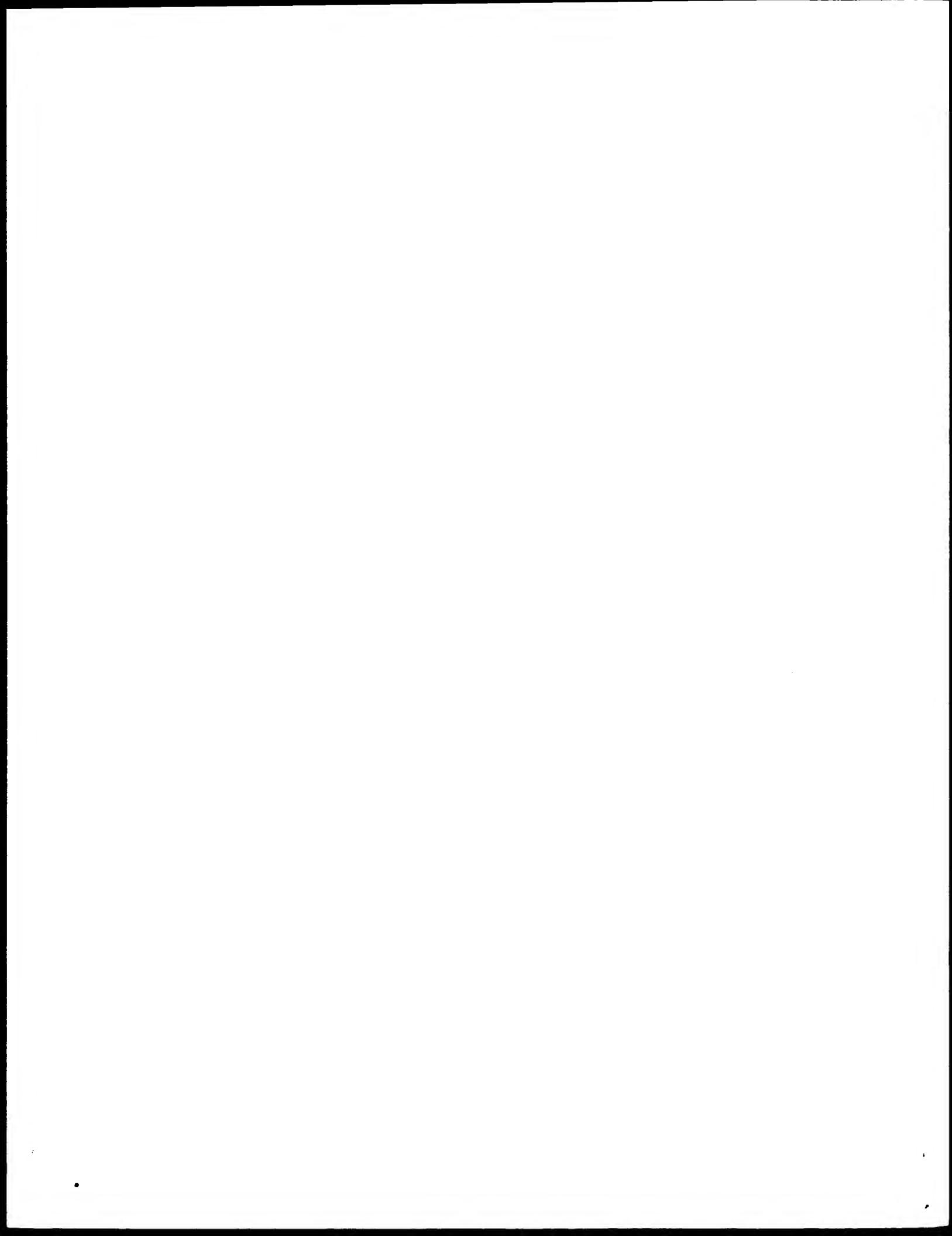
Query Match Score 59.68; Score 04; DB 1; Length 119;
Best Local Similarity 87.5%; Pred. No. 24;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 ADIKAIE 9
Nb 29 ADIKAIE 6

RESULT 12
OS-08-440-049-1
Sequence 1, Application US/08440049
Patent No. 5738803
GENERAL INFORMATION:
APPLICANT: Tristar, Leonard G.
APPLICANT: Winslow, John W.
TITLE OF INVENTION: PANTRAPIC METROKETONE FAVI-KS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESS: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winedit (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: 08/254987
FILING DATE: 12-MAY-1995
CLASSIFICATION: 415
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/254987
FILING DATE: 03-JUN-1994
ATTORNEY/AGENT: KANGEN INFORMATION
NAME: Korchia, Timothy E.
REGISTRATION NUMBER: 36700
REFERENCE/ACKNOWLEDGMENT NUMBER: 1040587
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 652-9881
TELEFAX: 914/871-7168
REFERRAL TO PC-SIG ID No.: 1;

APPLICATION NUMBER: 92/09/441,513A
FILING DATE: 15 MAY 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/253937
FILING DATE: 03 JUN 1994
ATTORNEY/AGENT INFORMATION:
NAME: Terrell, PhD., Timothy E.
REGISTRATION NUMBER: 46,700
REFERENCE/POCKET NUMBER: P0905C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/225-9674
FAX: 619/952-9881
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 120 amino acids
TYPE: Amino Acid
EDUCATION: Univer
S: US 08 441,513 A 3



Result No.	Score	Match Length	DB ID	Description
1	41	71.9	96	5 Q9N715
2	41	71.9	205	5 Q9NDL1
3	39	68.4	145	13 Q91837
4	38	66.7	1035	11 Q9AEGO
5	38	66.7	2652	5 Q25253
6	38	66.7	2703	5 Q9W478
7	38	66.7	2704	5 Q9W478
8	46	63.2	351	11 Q9Q705
9	45	61.4	145	13 Q91548
10	45	61.4	145	13 Q91947
11	45	61.4	145	13 Q91546
12	45	61.4	145	13 Q91845
13	35	61.4	145	13 Q91844
14	35	61.4	145	13 Q91843
15	35	61.4	145	13 Q91842
16	35	61.4	145	13 Q9E688
17	35	61.4	319	5 Q93V70
18	35	61.4	367	14 Q94633
19	35	61.4	367	14 Q95931

Gencore version 4.5
Copyright (C) 1993-2000 Gencore Ltd.
©M protein - protein search, using sw model
Run on: August 30, 2001, 16:21:02 ; Search time 22.32 seconds
(without alignments)
60,084 million CPU updates/sec

Title: US-09-018-194-9
Perfect score: 5.7
Sequence: 1 CAAIDKGAEF 10

Scoring table: BLASTPME2
Gapop 10.0 , Gapext 0.5

Searched: 425026 seqs, 132305027 residues

Total number of hits satisfied chosen parameters: 425026

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post processing: Minimum Match 0.8
Maximum Match 100.8
Firsting first 45 summaries

ALIGNMENTS

RESULT	1	Q9N715	FREQUENTARY:	PRT;	96 AA.
ID	Q9N715;	AC	Q9N715;	DT	01-OCT-2000 (TREMBL), 15, Created
				DT	01-OCT-2000 (TREMBL), 15, Last sequence update
				DT	01-MAR-2001 (TREMBL), 16, Last annotation update
DB	PROBABLE PROTEIN PROTEIN (FRAGMENT).	GN	IE28_233;	DR	AL39035; CAC0952; 1;
OS	Ectishmania major	PTAM	PF00227; Proteosome; 1.	DR	InterPro: IPR001353; -;
OX	Eukaryota: Eukaryozoa; Kinetoplastida: Trypanosomatidae: Leishmania.	FT	NCBL_TAXID-5664;	DR	NCBL_TAXID-5664;
RN	[1]	NON-TER	1		
RP	SEQUENCE FROM N.A.	PT	N-TER 96	SO	96 AA; 10774 MW; E9E76B074C9AE991 CR24;
EC	STPAIN FEHILIN;	SEQUENCE	96 AA;		
RA	Murphy L., Quail M., Harris J., Sedgwick M., Lyons A., Hartwell B.,				
SI	Submitted (1995-06-01); last update (1995-06-01); 1;				
DR	EMBL: AL39035; CAC0952; 1;				
DR	InterPro: IPR001353; -;				
DR	PTAM; PF00227; Proteosome; 1.				
FT					
GN					
PT					
SO					

Query Match Score 41; DB 5; Length 96; Pred. No. 0.8; Mismatches 2; Unaligned 0%; Gaps 0%;

Best Local Similarity 70.0%; Batches 2; Conservative 1; Mismatches 2; Unaligned 0%; Gaps 0%;

Query 1 CATDIKAEI 10
DB 81 CATDIKAPC 90

RESULT 2
Q9NDA1
ID Q9NDA1
AC
PT 01-OCT-2000 (TREMBL), 15, Created
DT 01-MAR-2001 (TREMBL), 16, Last sequence update
IW 235 PROTEIN FRAGMENT

SUMMARIES

RESULT

ALIGNMENTS

PL	CONE-248-471-478 (1999).
DR	EMBL: AF171746; AA14471; 1.
DR	INTERPRO: IPR003592.
DR	INTERPRO: IPR008677.
DR	INTERPRO: IPR008677.
DR	Pfam: PF00099; Cys_Keox; 1.
DR	Pfam: PF00099; Csp_1; 1.
DR	Pfam: PF00099; Csp_1; 1.
DR	Pfam: PF00099; Csp_1; 1.
DR	PROSITE: PS00225; CICK_1; 1.
DR	PROSITE: PS00225; CICK_1; 1.
DR	PROSITE: PS00225; CICK_1; 1.
DR	PROSITE: PS00225; CICK_1; 1.
DR	PROSITE: PS00225; CICK_1; 1.
DR	SMART: SMART001; CTC; 1.
DR	SEQUENCE: 64 AA; 1 amino MW:
SO	
Query Match	64-28%
Best Local Similarity	66.7%
Matches	6; Conservative
	22
QY	2 ATD1GAEES 10
1 1 1 1 1 1	
DB	250 ATD1GAEES 258
RESULT	9
Q91848	
ID: Q91848	PRELIMINARY;
AC: Q91848;	
DT: 01-oct-2000 (1)EMBL; 15, Cr	
DT: 01-oct-2000 (1)EMBL; 15, Cr	
DT: 01-MAR-2001 (1)EMBL; 16, Cr	
DE: PHOSPHOGLYCAN_AZ,	
GN:	
VS: Latigenida semitascicata (Broad	
QS: snake)	
OC: Bokayotar Metapora chondrata	
QC: Lepidostomia Sphaeraria Schleier	
CC: Euplectidae, Latridiidae, Latridiidae	
NR: NCBI-TaxID: 8631;	
OX:	
RN:	
RP: SEQUENCE FROM N.A.	
RA: Tamaiya T.; Fujii T.; J.J.;	
RT: Isolation and semi-tasicaata phosphi-	
EXON: 7	
SF: 1	
DR: EMBL: ABO37221; BAA95111; 17.	
DR: EMBL: ABO37221; BAA95111; 17.	
DR: INTERPRO: IPR006677.	
DR: PFAM: PF00066; Phospho_ASE2.	
DR: PROSITE: PS000119; PIZ_ASE; 1.	
DR: PROSITE: PS000119; PIZ_ASE; 1.	
DR: SMART: SMART0085; PACE; 1.	
DR: SMART: SMART0085; PACE; 1.	
SO: SEQUENCE: 146 AA; 1 amino MW:	
Query Match	61.4%
Best Local Similarity	64.0%
Matches	6; Conservative
	47
QY	1 CAP1KGAES 10
1 1 1 1 1 1	
DB	116 CAP1KGAES 125
RESULT	10
Q91847	
ID: Q91847	PRELIMINARY;
AC: Q91847;	
DT: 01-oct-2000 (1)EMBL; 15, Cr	
DT: 01-oct-2000 (1)EMBL; 15, Cr	

Q91844	01-OCT-2000 (TREMBLREL), 15; Last sequence update)	Best Local Similarity 50.0%; Score 45; Pred. No. 19;	PREDICTIVE	2;	RESULTS	0;	MMATCHES	0;
DR	01-MAR-2001 (CAUDIGRAC) 10;	Matches 5; Conservative 5; Mismatches 0;	Q91845	PRELIMINARY;	PRT:	145 AA.		
DR	PHOSPHOLIPASE A2 PRECURSOR		ID	Q91845;				
GN	PLA2		AC	Q91845;				
OS	Laticauda semiaurata (Broad-banded blue sea snake) (Erhabu sea snake).		DT	01-OCT-2000 (TREMBLREL), 15; Created)				
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Elapidae; Laticaudinae; Laticauda.		DT	01-OCT-2000 (TREMBLREL), 15; Last sequence update)				
OC	NCHI_TAXID 8631;		DT	01-MAR-2001 (TREMBLREL), 16; Last annotation update)				
OX			PLA2					
RN	SEQUENCE FROM N.A.		GN	Laticauda semiaurata (Broad-banded blue sea snake) (Erhabu sea snake)				
RC	Tissue Venom Gland;		OS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Elapidae; Laticaudinae; Laticauda.				
RF	Laticauda semiaurata (Broad-banded blue sea snake) (Erhabu sea snake).		OC	Leptodora; Sphingolissa; Serpentes; Colubroidea;				
RA	Tanuya T.; Fujimi T.;		OC	Elapidae; Laticaudinae; Laticauda.				
RL	Submitted (JAN 2000) to the EMBL/GenBank/DBJ databases.		OC	Elapidae; Laticaudinae; Laticauda.				
DR	AB037403; BAB03296; 1;		OX					
DR	INTERPRO: IPI001211; -;		RN					
DR	PRIMUS: PR000682; PHOSLIP; PLA2		KP					
DR	PROBEM: PS000303; -; 1.		RC					
DR	PROSITE: PS00119; PA2 ASP; 1.		TMSSQE					
DR	PROSTE: PS00118; PA2 HIS; 1.		TISSUE_VENOM_GLAND;					
DR	SMART: SM00085; PA237; 1.		Tanuya T.; Fujimi T.;					
KW	SIGNAL; 1	27	POTENTIAL					
FT	SIGNAL	1	SEQUENCE	145 AA; DISC01790AGV7885 CRC64;	POTENTIAL	145 AA;	SEQUENCE	145 AA;
SQ	16052 MW; 9.277AGC2B50H7887 CRC74;		SQL	16089 MW; 9.277AGC2B50H7887 CRC74;				
Query Match	61.4%; Score 35; DB 13; Length 145;		Query Match	61.4%; Score 46; DB 14; Length 145;				
Best Local Similarity 50.0%; Pred. No. 19;	Best Local Similarity 50.0%; Pred. No. 19;		Best Local Similarity 50.0%; Pred. No. 19;	Best Local Similarity 50.0%; Pred. No. 19;				
Matches 5; Conservative 5; Mismatches 0;	Matches 5; Conservative 5; Mismatches 0;		Matches 5; Conservative 5; Mismatches 0;	Matches 5; Conservative 5; Mismatches 0;				
Q91845	1 CAUDIGRAC 10		Q91845	1 CAUDIGRAC 10				
DR	111		DR	111				
DB	116 CAUDIGRAC 125		DB	116 CAUDIGRAC 125				
RESULT 1			RESULT 1					
Q91846	01-OCT-2000 (TREMBLREL), 15; Last sequence update)	PRELIMINARY;	Q91846	PRELIMINARY;	PRT:	145 AA.	Q91844	PRELIMINARY;
ID	Q91846;		ID	Q91844;			ID	Q91844;
AC	Q91846;		AC	Q91844;			AC	Q91844;
DR	01-OCT-2000 (TREMBLREL), 15; Created)		DT	01-OCT-2000 (TREMBLREL), 15; Created)			DT	01-OCT-2000 (TREMBLREL), 15; Created)
DR	01-OCT-2000 (TREMBLREL), 15; Last sequence update)		DR	01-OCT-2000 (TREMBLREL), 15; Last sequence update)			DR	01-OCT-2000 (TREMBLREL), 15; Last sequence update)
DT	01-MAR-2001 (TREMBLREL), 16; Last annotation update)		DT	01-MAR-2001 (TREMBLREL), 16; Last annotation update)			DT	01-MAR-2001 (TREMBLREL), 16; Last annotation update)
DE	PHOSPHOLIPASE A2 PRECURSOR		DE	PHOSPHOLIPASE A2 PRECURSOR			DE	PHOSPHOLIPASE A2 PRECURSOR
GN	Laticauda semiaurata (Broad-banded blue sea snake) (Erhabu sea snake).		GN	Laticauda semiaurata (Broad-banded blue sea snake) (Erhabu sea snake)			GN	Laticauda semiaurata (Broad-banded blue sea snake) (Erhabu sea snake)
OS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Elapidae; Laticaudinae; Laticauda.		OS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Elapidae; Laticaudinae; Laticauda.			OS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Elapidae; Laticaudinae; Laticauda.
OC			OC				OC	
OC	NCHI_TAXID 8631;		OC				OC	
OX			OX				OX	
RN	SEQUENCE FROM N.A.		RN	SEQUENCE FROM N.A.			RN	SEQUENCE FROM N.A.
RC	Tissue Venom Gland;		RC	Tissue Venom Gland;			RC	Tissue Venom Gland;
RF	Laticauda semiaurata (Broad-banded blue sea snake) (Erhabu sea snake).		RF	Laticauda semiaurata (Broad-banded blue sea snake) (Erhabu sea snake)			RF	Laticauda semiaurata (Broad-banded blue sea snake) (Erhabu sea snake)
DR	Submitted (JAN 2000) to the FIBERGENbank/DBJ databases.		DR	Submitted (JAN 2000) to the FIBERGENbank/DBJ databases.			DR	Submitted (JAN 2000) to the FIBERGENbank/DBJ databases.
DR	INTERPRO: IPI001211; -;		DR	INTERPRO: IPI001211; -;			DR	INTERPRO: IPI001211; -;
DR	PRIMUS: PR000303; PHOSLIP; PLA2		DR	PRIMUS: PR000303; PHOSLIP; PLA2			DR	PRIMUS: PR000303; PHOSLIP; PLA2
DR	PROBEM: PS00119; PA2 ASP; 1.		DR	PROBEM: PS00119; PA2 ASP; 1.			DR	PROBEM: PS00119; PA2 ASP; 1.
DR	PROSITE: PS00118; PA2 HIS; 1.		DR	PROSITE: PS00118; PA2 HIS; 1.			DR	PROSITE: PS00118; PA2 HIS; 1.
DR	SMART: SM00085; PA237; 1.		DR	SMART: SM00085; PA237; 1.			DR	SMART: SM00085; PA237; 1.
KW	SIGNAL; 1	27	POTENTIAL	145 AA.	POTENTIAL	145 AA.	KW	SIGNAL; 1
SQ	16059 MW; 9.277AGC2B50H7887 CRC64;		SQ	16089 MW; 9.277AGC2B50H7887 CRC74;			SQ	16089 MW; 9.277AGC2B50H7887 CRC74;
Query Match	61.4%; Score 35; DB 13; Length 145;		Query Match	61.4%; Score 35; DB 13; Length 145;			Query Match	61.4%; Score 35; DB 13; Length 145;

B	INTERPRO: IPI0012117		
R	PIR:PS00068; PHOSLIP: 1;		
R	PIR:NIS: PS00039; PHAHLIP;FAZ2;		
R	PIR:D007: PS00040; -; 1;		
R	PIR:TE: PS00119; PA2_ASPT: 1;		
R	PIR:TE: PS00118; PA2_HIS: 1;		
R	SMART: SM00085; PACB: 1;		
S	STOMAI:		
W		27	POTENTIAL
T	SEQUENCE: 144 AA:	16073 MW:	430484 3160F7895 CR(364:

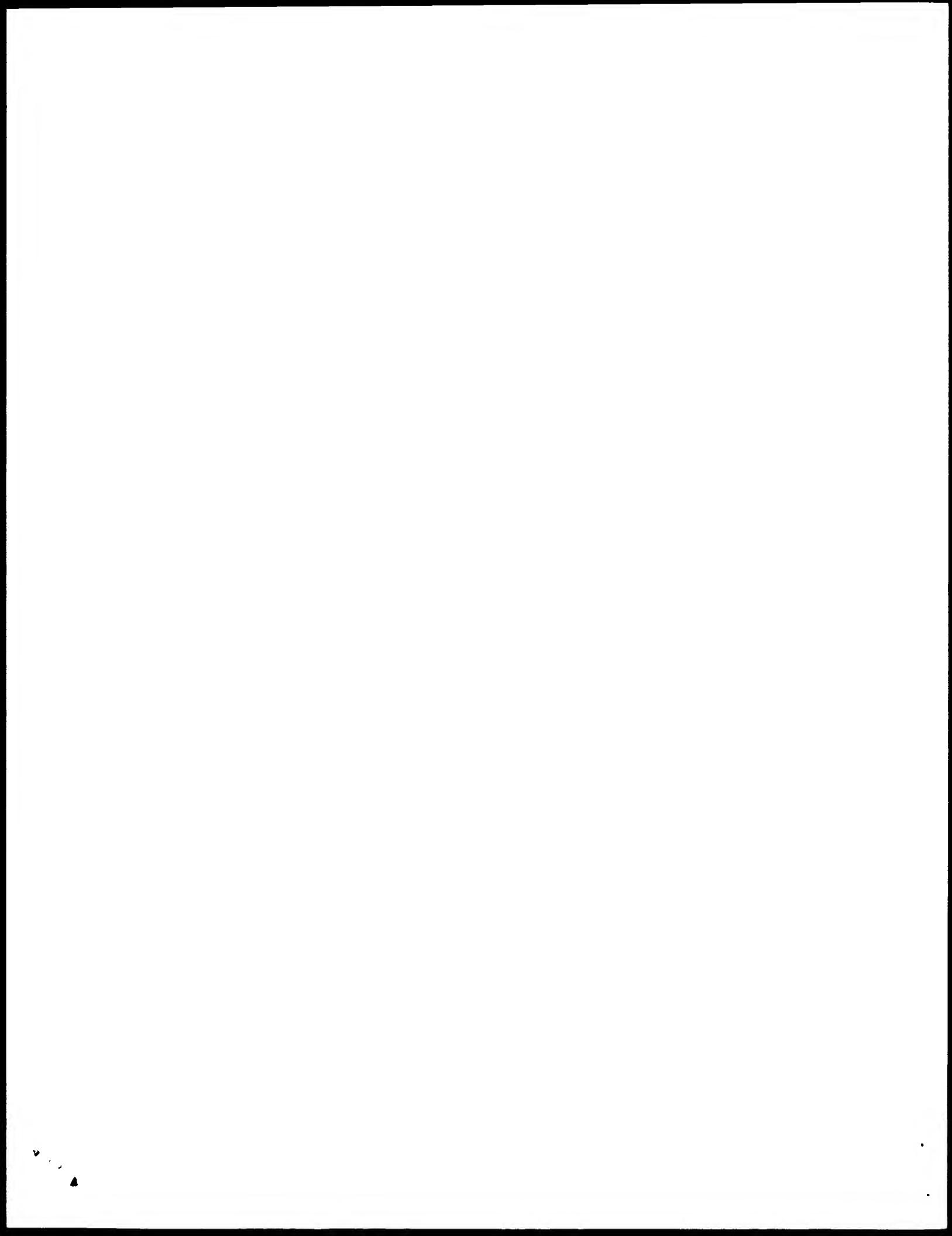
Query Match	61.4%	Score 35:	DB 13:	Length 1
Best Local Similarity	50.0%	Pred. No.	19;	
Matches	5;	Mismatches	2;	Int. s
conservative				
1 CANDIRUAE	10			
	(1 1 1 1 1)			
b	116 CANDIRUAE	125		
RESULTS	14			
	91843			
	991844	PRELIMINARY:		
	091844	PRT:	145 AA.	
1	01 OCT-2000 (TREMBEL), 15, Created)			
1	01 OCT-2000 (TREMBEL), 15, Last sequence update)			
1	01 MAR-2001 (TREMBEL), 16, Last annotation update)			
N	PHOSPHATEPASP A2 PRECURSOR,			
N	PLAZ.			
S	latifascia stenofasciata (Broad banded blue sea snake) (Br.			
S	snakes)			
Eukaryot.	Metazoa; Chordata; Craniata; Vertebrata; Eute-			
Lepidosauria; Squamata; Sceloplossa; Serpentes; colubri-				

SIGNAL: 1
SEQUENCE: 145 AA; 27 POTENTIAL MW: 926105886114387 CRC64.

S. latifrons semitascata (Broad banded blue, see *skunk*) (fritillary, see *skunk*).
 Eukarbia Metacardia (chondra) (anobata) (Veronica) (Eulachnus) (G.)
 Capitodonsularia (Sturnaria) (Scirpus) (A. S. S. (S.)) (B. A.)
 Elaphidion latifundinaria (latifrons) (latifrons),
 N. B. Taxon 97-1.

III
 N
 P
 P
 A

SEQUENCE FROM N. A.
 PLACID VIREO (CARP)
 LAMMELLA (L.) FULVUM (L.)



SEARCHED WITH SWISS-PROT									
SEARCHED WITH NCBI-PIR		SEARCHED WITH NCBI-REFSEQ		SEARCHED WITH SWISS-PDB		SEARCHED WITH SWISS-MODEL		SEARCHED WITH SWISS-PROT	
SEARCH NO.	SCORE	ACCESSION	NAME	SEARCH NO.	SCORE	ACCESSION	NAME	SEARCH NO.	SCORE
1	57	100.0	10	20	AAY39234	27	12	34	57.6
2	40	70.2	311	21	AAB31727	12	14	AAV41745	59.6
3	45	61.4	79.4	22	AAB31746	13	11	AAV7158	59.6
4	45	61.4	97.7	22	AAB31163	14	11	AAV07161	59.6
5	45	61.4	112.4	15	AAB45446	24	12	AAK34899	59.6
6	45	61.4	112.4	16	AAB31953	27	12	AAK34898	59.6
7	45	61.4	112.4	20	AAY30318	27	12	AAK34895	59.6
8	44.5	60.5	124.6	21	AAB31946	19	13	AAV21874	59.6
9	44	69.6	9	16	AAB31764	18	13	AAV29494	59.6
10	44	59.6	10	16	AAB31761	19	5	AAP40040	59.6
11	44	59.6	10	16	AAB31743	19	10	AAV3394	59.6
12	34	59.6	27	12	AAR3394	78	12	AAK5015	59.6
13	34	59.6	27	12	AAR3394	118	10	AAV1034	59.6
14	34	59.6	27	12	AAR3394	119	14	AAV74210	59.6
15	34	59.6	27	12	AAR3394	119	16	AAV33347	59.6
16	34	59.6	27	12	AAR3394	119	21	AAV33347	59.6
17	34	59.6	27	12	AAR3394	119	24	AAV33347	59.6
18	34	59.6	27	12	AAR3394	119	27	AAV33347	59.6
19	34	59.6	27	12	AAR3394	119	30	AAV33347	59.6
20	34	59.6	27	12	AAR3394	119	33	AAV33347	59.6
21	34	59.6	27	12	AAR3394	119	36	AAV33347	59.6
22	34	59.6	27	12	AAR3394	119	39	AAV33347	59.6
23	34	59.6	27	12	AAR3394	119	42	AAV33347	59.6
24	34	59.6	27	12	AAR3394	119	45	AAV33347	59.6
25	34	59.6	27	12	AAR3394	119	48	AAV33347	59.6
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27	34	59.6	27	12	AAR3394	119	54	AAV33347	59.6
28	34	59.6	27	12	AAR3394	119	57	AAV33347	59.6
29	34	59.6	27	12	AAR3394	119	60	AAV33347	59.6
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37	44	69.6	27	12	AAR3394	119	84	AAV33347	59.6
38	44	69.6	27	12	AAR3394	119	87	AAV33347	59.6
39	44	69.6	27	12	AAR3394	119	90	AAV33347	59.6
40	44	69.6	27	12	AAR3394	119	93	AAV33347	59.6
41	44	69.6	27	12	AAR3394	119	96	AAV33347	59.6
42	44	69.6	27	12	AAR3394	119	99	AAV33347	59.6
43	44	69.6	27	12	AAR3394	119	102	AAV33347	59.6
44	44	69.6	27	12	AAR3394	119	105	AAV33347	59.6
45	44	69.6	27	12	AAR3394	119	108	AAV33347	59.6
46	44	69.6	27	12	AAR3394	119	111	AAV33347	59.6
47	44	69.6	27	12	AAR3394	119	114	AAV33347	59.6
48	44	69.6	27	12	AAR3394	119	117	AAV33347	59.6
49	44	69.6	27	12	AAR3394	119	120	AAV33347	59.6
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51	44	69.6	27	12	AAR3394	119	126	AAV33347	59.6
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56	44	69.6	27	12	AAR3394	119	141	AAV33347	59.6
57	44	69.6	27	12	AAR3394	119	144	AAV33347	59.6
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59	44	69.6	27	12	AAR3394	119	150	AAV33347	59.6
60	44	69.6	27	12	AAR3394	119	153	AAV33347	59.6
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63	44	69.6	27	12	AAR3394	119	162	AAV33347	59.6
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96	44	69.6	27	12	AAR3394	119	261	AAV33347	59.6
97	44	69.6	27	12	AAR3394	119	264	AAV33347	59.6
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104	44	69.6	27	12	AAR3394	119	285	AAV33347	59.6
105	44	69.6	27	12	AAR3394	119	288	AAV33347	59.6
106	44	69.6	27	12	AAR3394	119	291	AAV33347	59.6
107	44	69.6	27	12	AAR3394	119	294	AAV33347	59.6
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128	44	69.6	27	12	AAR3394	119	357	AAV33347	59.6
129	44	69.6	27	12	AAR3394	119	360	AAV33347	59.6
130	44	69.6	27	12	AAR3394	119	363	AAV33347	59.6
131	44	69.6	27	12	AAR3394	119	366	AAV33347	59.6
132	44	69.6	27	12	AAR3394	119	369	AAV33347	59.6
133	44	69.6	27	12	AAR3394				

Protein 473..704
 /note: "Fe portion"
 XXX W020075423 A1.
 XXX 14 Dec 2009.
 XXX 07-JUN-2000; 2000W0-0S15706.
 XXX 07-JUN-1999; 99US-0137899.
 (IMMMV) IMMUNEX Corp.
 XXX cerretti DP, Borges LS, Fanslow WC;
 XXX WPI; 2000112149/12.
 XXX two rtk polypeptides, each containing a transmembrane domain, a extracellular domain, useful for treating mammals with a disease mediated by angiogenesis, e.g., tumors, ocular neovascularisation or inflammatory diseases .
 XXX claim 17, page 17-19, 43P7, English.
 XXX The present sequence represents a fusion protein comprising the extracellular domain of the human receptor for the cytokine IL-6, and a portion of human immunoglobulin G1 (IgG1). The top transmembrane part of the receptor containing fibronectin type III (FNIII) motifs retains the ability to bind at least one receptor. The fusion polypeptide is an angiogenesis inhibitor, and a rtek antagonist. The polypeptide or soluble rtek multimer, antibodies or antisera to rtek, useful for treating a mammal having a disease or condition mediated by angiogenesis, e.g., a solid tumor, a condition of disease characterized by ocular neovascularisation. In particular, the top antagonists are useful for treating or preventing inflammatory diseases (e.g., arthritis, rheumatism or psoriasis), certain eye disorders (e.g., diabetic retinopathy, retinopathy of prematurity, neovascular glaucoma, retinal detachment, retrolental fibroplasia, rubies), uveitis, macular degeneration or retinal neovascularisation, cancer (e.g., metastatic sarcomas or carcinomas), or wound granulation.

Query Match	Similarity	Score	DB	Length
Best Local Matches	Conservative	Pred.	No.	Gap
QWY	6/6	61.4%	35	704
QWY	6/6	60.0%	4	702
QWY	6/6	60.0%	3	703
QWY	1/1	47.9%	10	289
QWY	1/1	47.9%	10	298
RESULT				
AAB31164	AAB31164	standard protein:	977 AA.	
XX	XX			
AAH-1164;	AAH-1164;			
XX	XX			
RESULT				
AAH-1164;	AAH-1164;	(first entry)		
XX	XX			
Anticodon sequence of a tRNA ^{Leu} fusion protein.				
fusion protein, receptor tyrosine kinase, Tkr. It is found in lung cancer, immunoglobulin in glomeruli, and it is tumour-associated antigen in the inflammatory disease, arthritis; articular; psoriasis; eye disorders; diabetic retinopathy; retinopathy; neovascular disease; retinoblastoma; retinoblastoma; fibroblast; fibrosis; arthritis; macular degeneration; atrial fibrillation; atrial myopathy; heart failure; cancer; metastatic sarcoma; sarcomatoid wound at amputation.				
XX	XX			
Synthetic oligo saccharins.				
XX	XX			

FID	KoY	Location/Qualifiers	XX
PT	Propeptide	1..18	FN W1951487 AA:
F1	Note	"natural peptide"	XX
F1	Region	716..772	18-MAY-1995
F1	Note	"transmembrane region"	PD
F1	Region	211..440	XX
F1	Misc difference	44	12-NV-1994:
F1	Note	"Cys of immunodominant domain"	XX
F1	Misc difference	162	94W0-B108367,
F1	Note	"Cys of immunodomain in domain"	XX
F1	Misc difference	19..124	12-NV-1994:
F1	Note	"Cys of immunodomain in domain"	XX
F1	Misc difference	19..745	(PLAC) MAX-LANR QHS LIEEDEHIV WISSEWSHAI 19
F1	Note	"claimed fragment"	PD
F1	PS	WPI: 1995-1941-e/25.	XX
F1	PS	Now tie 2 receptor tyrosine kinase and related proteins, 4, 1994	XX
F1	PT	methods for detecting tie 2 modulators for treatment of cancer	XX
F1	PR	associated with angiogenesis and vasculogenesis, 45	XX
F1	PS	Disclosure: Patis 49; 81pp; English,	XX
F1	PS	This protein is the human homolog of mouse Tie-2 receptor tyrosine kinase,	XX
F1	PS	Sequence: 15..1 AA:	XX
F1	PS	Query Match: 61..48; Score: 47; 100.0%; Length: 1..24;	XX
F1	PS	Best Local Similarity: 60.0%; Pred. No.: 6..40..23; Matches: 6; Conservative: 1; Mismatches: 4; Gaps: 3; Length: 3..24;	XX
F1	PS	DB: 289 catwalk4; Ap: 298	XX
RESULT	7		
	AAY3018		
	Up: AAY3018 standard; Protein: 1124 AA.		
	XX		
	AAV40318		
	Up: AAV40318; Matches: 6; Conservative: 1; Mismatches: 4; Gaps: 3; Length: 3..24;		
	XX		
	Q9Y		
	Up: 111..111..1		
	XX		
	TEK protein: TEK protein: Receptor Tyrosine Kinase, Human, Immune response and cellular tumor associated antigen, 45		
	XX		
	Q9Y94		
	Up: Anticardiolipin antibodies; cancer; anticardiolipin antibodies; XX		
	XX		
	Q9Y94801		
	Up: Homo sapiens, KW		
	XX		
	Q9Y94801		
	Up: Homo sapiens, KW		
	XX		
	Q9Y94801		
	Up: Homo sapiens, KW		
	XX		
	Q9Y94801		
	Up: Homo sapiens, KW		
	XX		
	Q9Y94801		
	Up: Homo sapiens, KW		
	XX		
	Q9Y94801		
	Up: Homo sapiens, KW		
	XX		
RESULT	6		
	AAK73953		
	Up: AAK73953 standard; Protein: 1124 AA.		
	XX		
	Q9Y94801		
	Up: Human TEK tyrosine kinase protein.		
	XX		
	Q9Y94801		
	Up: 2 receptor tyrosine kinase; DNA binding; nuclear; androgenesis; vascularogenesis; tek.		
	XX		
	Q9Y94801		
	Up: Human TEK tyrosine kinase; DNA binding; nuclear; androgenesis; vascularogenesis; tek.		
	XX		
	Q9Y94801		
	Up: Human TEK tyrosine kinase; DNA binding; nuclear; androgenesis; vascularogenesis; tek.		
	XX		

which bind to macrophages. The presentation of tumor epitopes can also be facilitated by helper cell and/or epithelial cell responses. The immune response is directed against endothelial cells in the tumor associated with vascular anomalies and includes production of antibodies that bind to the cells causing inflammation and thrombosis. The immune response is targeted to endothelial cells lining blood vessels of the tumor. These cells over-express Lck, so damage between a few cells will kill many and problems of antitumor heterogeneity. Macrophages and tumor-associated epithelial cells (associated with epithelial cells) are unlikely to occur in normal endothelial cells. TEK epitopes (see RAY320-24) are used to generate antibodies, and for prevention and treatment of cancer. The peptides, and recombinant DNA constructs or viral vectors that express them, are useful as anticancer vaccines to target endothelial cells that line blood vessels of the tumor.

Sequence 1124 AA:

Query Match	61.4%	Score 35;	DB 20;	Length 1124;	
Best Local Similarity	60.0%	pred. Sc. <4<0.02;			
Matches	6;	Conservative	1;	Mismatches	0;
				Indels	0;
				Gaps	0;

QY I VAFDILGAEF 10
II [I][I][I][I] 208
DB 289 cat:42kA:T, 208

RESULT 8
AAW8448

DB AAW8448 standard; protein: 1296 AA.

XX AAW8448;
AC' XX

DT 26-AIR-1999 (first entry)

XX DE Caenorhabditis elegans NPC1 protein orthologue.

XX KW Niemann-pick disease type C; NPC1 gene; worm; orthologue;

XX KW diagnosis, therapy, animal model, cholesterol, neurodegeneration,

XX OS Caenorhabditis elegans.

XX PN W09901956-A1;

XX PI 14 JAN 1999.

XX PP 02-JUL-1998; 99WY0S1362.

XX PR 01-JUL-1997; 970S-0051682.

XX TA (US) US DEPT HEALTH & HUMAN RESOURCES.

XX CARSTED ED, CH J, LOTTER SK, MORRIS JA, PAVAN WI;

XX PENTECO PG, BOSCHETT M, PAQUE DA;

XX PS DISLOSURE: Page 91-95; 101pp; English.

XX DR W09901956-A1; 77.

XX EC New isolated gene, NPC1, is associated with Niemann-Pick type C disease, used to develop products for the study, diagnosis, and therapy of the disease.

XX ES Disclosure: Page 91-95; 101pp; English.

XX EC This polypeptide comprises the Caenorhabditis elegans orthologue of the human NPC1 polypeptide that is associated with Niemann-Pick disease type 2 (NP-C). The polypeptide shows extensive identity (30%) and similarity (55%) to the human NPC1 protein (See AAW8445). Biochemical and genetic analysis of yeast, worm and murine NPC1 model systems will provide resources for understanding the role of NPC1 in intracellular cholesterol homeostasis and in the aetiology of neurodegeneration in NP-C.

CC Cited as: The first isolated of the human NPC1 gene (GenBank Accession No. AF006873) contains motifs of detected by the presence of mutations in the N-terminal 19aa, and thereby facilitates the determination of whether an N-terminal 19aa fusion dual is an NP-C substrate or carrier.

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 1296 AA:

CC Query Match 61.4%; Score 35;

CC Best Local Similarity 55.8%; Predicted No., B-Score, D-Score, T-Score, Gaps:

CC XX

CC Sequence 9 AA:

Query Match Score 44: 194 167; Length 94
 Best Local Similarity 0.46; Predicted No.: 34e-057;
 Matches 5; Conservative 3; Mismatches 1; Daps: 3; Daps: 0;
 QW 2 AAKKAE 9
 DP 1 ADDKAE 8

Query Match Score 44: 194 167; Length 94
 Best Local Similarity 0.46; Predicted No.: 9e-042;
 Matches 6; Conservative 3; Mismatches 1; Daps: 3; Daps: 0;
 QY 4 DAKGAE 10
 DB 1 1 1 1 1
 DB A dipeptide

RESULT 1.0
 AAAR3761 standard: peptide: 11 AA.
 XX
 AA
 XX
 AA
 XX
 DT 18 MAR 1996 (first entry)
 DE New derived structural analog C(30-45) binds neutrophil receptor.
 XX
 KW Multidomain receptor, structural analog, hinge 30-45, lactam, keto, amide,
 KW reverse turn, cyclic, tracer, unchanged hydrophobic substitution,
 KW neurite outgrowth, central nervous system, peripheral nervous system,
 KW tumour, neutromod, hormone-receptor, interaction site, immunisation,
 KW receptor domain, function correlation.
 XX
 LS Synthetic.
 XX
 FW Localization patterns
 FI Mise-difference 1
 FI Note "any unchanged or hydrophatic amino acid"
 FI Modified site 1
 FI Note "any unchanged or hydrophatic amino acid"
 FI Mise-difference 10
 FI Note "any unchanged or hydrophatic amino acid"
 XX
 PA 90952119-A1.
 PN
 PD 10-AUG-1995.
 XX
 PF 07-FEB-1995; 95WO-C00059.
 XX
 PR 07-FEB-1994; 94GB-0002331.
 XX
 PA (UVM) UNIV MCGILL.
 XX
 PT Cuello AC, Lestaurier L, Saragovi MH,
 XX
 WP1: 1999-28-3231/37.
 XX
 PT New cyclic peptide(s) which bind to neutrophil receptor and mimics
 PT or inhibit enkephalin activity - useful e.g. for inhibiting
 PT neurite outgrowth or treating nervous system disease, tumors, etc.
 XX
 CLA 9: Peptide 42: 42PDP; English.
 XX
 PT The peptides AAAR3760-80 are examples of peptides that bind to the
 PT neutrophil receptor under physiologically conditions in vivo or in
 PT vitro. The peptides are structural analogs of nerve growth factor (NGF)
 PT and contain at least one beta turn (from residue 59-65). The peptides may be
 PT cyclised by addition of cysts or other cyclisation procedures, and may be
 PT linked to a tracer e.g. a metal chelate or radiolabelled. The peptides
 PT may contain unchanged or hydrophatic amino acids at the N- and
 PT C-terminal, which are optionally protected by an Fmoc or acetyl protecting
 PT group. The peptides are useful for inhibition of nerve trypsin, esp, for
 PT inhibiting neurite outgrowth, treatment, central or peripheral nervous
 PT system disease, tumors and neoplasias, for mapping hormone receptor
 PT interaction sites and receptor domain-function correlation and for
 PT immunisation. This peptide is derived from residues 36 to 46, and contains
 PT a beta turn.
 XX
 SEQ 13 AA;

Query Match Score 44: 194 167; Length 94
 Best Local Similarity 0.46; Predicted No.: 10e-042;
 Matches 6; Conservative 3; Mismatches 1; Daps: 3; Daps: 0;
 QY 4 DAKGAE 10
 DB 1 1 1 1 1
 DB A dipeptide

RESULT 1.1
 AAAP90624 standard: peptide: 11 AA.
 XX
 AC
 XX
 DT 10-FEB-1990 (first entry)
 DE Peptides to induce long-term switch factor response.
 XX
 KW Rat dorsal root ganglion A12 neuron's disease, 38-45, 38-46, R,
 KW steroid, cretinoid, nerve disease, vertebral, 38-45, 38-46, R,
 KW Human's cultured fibroblastoma.
 XX
 LS Synthetic.
 XX
 FW EP345647 A.
 XX
 FI 04-AUG-1994.
 FI 28-MAR-1994; 94EP345647.
 FI 28-MAR-1994; 94EP345647.
 PR 28-MAR-1994; 94EP345647.
 PA (RENN) UNIV. OF CALIFORNIA.
 XX
 PT London FM, McElroy W, Klagsbrun J.
 XX
 WP1: 1989-28708/41.
 XX
 PT New nerve growth factor peptide(s)
 PT - with agonist and/or antagonist activity
 PT
 PS Disclosure: Table 1, para 7; 94PP; English.
 XX
 PT This corresponds to analog peptides 20-48 (ESP, e.g., 38-45, 38-46, R,
 PT C-terminal), and ESP, has the terminal alpha-(D)-amino acid, 14,15,16,17,
 XX
 PT human epidermis activity in treating neurite outgrowth, esp, d-phe-
 XX
 SQ Sequences 11 AA;

Query Match Score 44: 194 167; Length 94
 Best Local Similarity 0.46; Predicted No.: 10e-042;
 Matches 7; Conservative 3; Mismatches 1; Daps: 3; Daps: 0;
 QY 2 ADDKAE 8
 DB 1 1 1 1 1
 DB A dipeptide

RESULT 1.2
 AAAR3747 standard: peptide: 12 AA.
 XX
 AC
 XX
 DT 18-MAR-1994 (first entry)
 DE Conserved NPF region 25-46.
 XX
 KW NPF, 41 with target; NPF; trans derived from the first entry.

SAO/NASA Ames Research Center, Moffett Field, CA 94035-1000

Query	Match	Score	DB	Length
best local similarity	59.68	4	14	12
most similar	87.58	pred. No. 1	11	12
most similar	87.58	pred. No. 1	11	12
most similar	87.58	pred. No. 1	11	12

Particulars of Consignment
Platinum pieces
2 APPENDIX E

4 atidikipe 11

SDH-4 1.4
AK4-1748 1.4
AK4-1749 0.4
AK4-1750 0.4
SDH-4 1.2 8.8

AAA441748

18-MAR-1994 (First entry)
COUNTRIES: KNE version 05-26 (responses)

Received 20 Oct. 1979; accepted 25 Jan. 1981.
Correspondence to: R. H. Hiltner, Department of Biological Sciences, University of Alberta, Edmonton, Alberta, Canada T6G 2E9.

fecal samples were received from one animal and one chicken; samples: horse, rabbit, pig, chicken.

Query Match
Best Local Simi
Matches 7;

2 ATDIKGA

RESULT 14

KIRCHHORN
AAK07158
11) AAK07158 sta
XX

AAK07158;
XX
1945-1946

Nerve growth

Nervous disease
Home Sanitons

W301064-A.

XX 20 - SEP - 1990.
XX 08 - MAY - 1990.

	Score	on 14, Actual No. 12.	Actual No. 12.
Conservatism	87.58;	Pred. No. 11;	Actual No. 12.
Mismatches	0;	1;	1;
Accuracy	97.06;	94;	94;

standard; protein; 13 Å.

Acetyl (NPF) peptide fraction.

orders; Alzheimer's disease; Parkinson's disease; stroke

XX 14 MAR 1989, 89SE-0000899.
 PR Clope-) Lope MED AB.
 XX
 PA (Olson L., Pettersson H., Ebendal T;
 XX WP1: 1990-304983/40
 PR New peptide fragments of nerve growth factor or its precursor
 PR used to raise specific antibodies for immunoassay, esp. for brain
 PR tissue.
 XX
 PS claim 1; Page 13; 24pp; English.
 XX Peptides are Abs raised to them are useful in detecting the presence
 PR of NGF and precursors, allowing early diagnosis and treatment of
 PR nervous disorders esp. Alzheimer's and Parkinson's disease, spinal
 PR cord injury, stroke etc.
 PR Peptide corresponds to **AAs 23 to 35** of human NGF mature protein.
 XX Sequence: 14 AA:
 SW
 Query Match 59.68; Score 34; DB 11; length 14;
 Best Local Similarity 87.58; Pred. No. 12;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; gaps 0;
 QW 2 ATPIKGAE 9
 ||||| |
 DB 6 atdikake 13
 XX
 RESULT 15
 AAC07161
 1D AAC07161 standard; protein: 14 AA.
 XX
 AAC07161;
 XX
 DT 24 JAN 1991 (first entry)
 XX Synthetic Nerve growth factor (NGF) peptide fragment.
 IX
 KW Nervous disorders, Alzheimer's disease, Parkinson's disease, stroke,
 XX
 DS Synthetic.
 XX
 PN W09010644-A.
 XX
 ID 20 SEP 1990.
 XX
 PF 08 MAR 1990; 90WO-0000149.
 XX
 PR 14 MAR 1989; 89SE-0000899.
 PA (Clope-) Lope MED AB.
 PR Olson L., Pettersson H., Ebendal T;
 XX
 PS WP1: 1990-304983/40.
 PR
 PR New peptide fragments of nerve growth factor or its precursor
 PR used to raise specific antibodies for immunoassay, esp. for brain
 PR tissue.
 XX Disclosure: Page 11; 24pp; English.
 XX
 PR Peptides are Abs raised to them are useful in detecting the presence
 PR of NGF and precursors, allowing early diagnosis and treatment of
 PR nervous disorders esp. Alzheimer's and Parkinson's disease, spinal
 PR cord injury, stroke etc.
 PR Peptide corresponds to **AAs 23 to 35** of rat **Chromatobacter**, **human NGF**.
 XX

